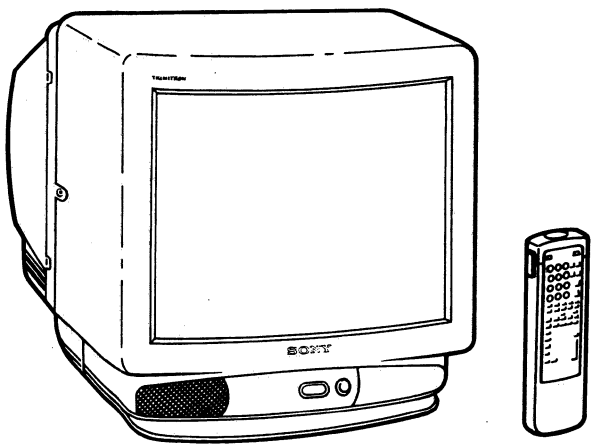
SONY

Trinitron® Colour TV

KV-M2151D
KV-M2150D



Operating Instructions

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Introduction and Preparation

Thank you for purchasing this TV from Sony. You now own a high-quality TV with many special features.

Special Features of This TV

High quality picture
- The Hi-Black Trinitron picture tube provides a picture with excellent resolution and contrast.

Other features
- Colour system: PAL, SECAM.
- 60 programme positions for presetting.
- Remote controlled TV.
- Audio/Video and S-Video input at the front of the set.
- 21-pin connector for the direct connection of video equipment or a computer.
- Teletext, FASTEXT (only for KV-M2151D).
- Reversible Remote Commander.

Safety Information

All TV sets operate on extremely high voltages. To prevent fire or an electric shock, please follow the safety procedures. For your safety, refer all servicing to qualified personnel only.

For general safety:
- Do not expose the TV set to rain or other moisture.
- Do not open the rear cover.

For safe installation:
- Do not block the ventilation openings.
- Do not install the TV in hot, humid, or excessively dusty places.
- Do not install the TV in a place where it may be exposed to mechanical vibrations.

For safe operation:
- Do not operate the TV on anything but 220 - 240V~ 50Hz.
- Do not operate the TV if any liquid or solid object falls on it - have it checked immediately.
- Do not keep the set plugged in if you are not going to use it for several days.
- Do not pull on the power cord to disconnect the TV. Pull it out by the plug.

How to connect the aerial

Connect the aerial to your TV using a 75-ohm coaxial cable and IEC aerial connectors (which is attached to the 75-ohm coaxial cable) into the ⊓ socket on the rear of the TV.

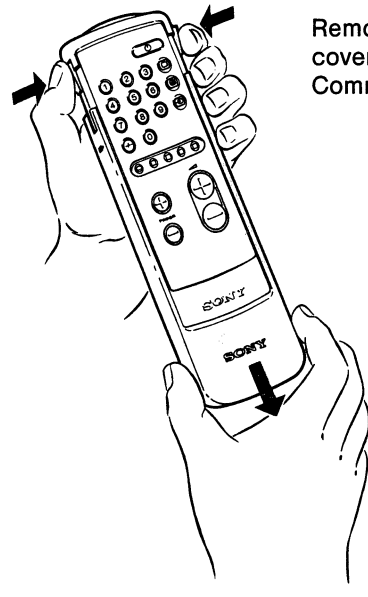
How to connect the TV to the mains power

Having connected the aerial, plug in the TV. Your set is now ready for operation.

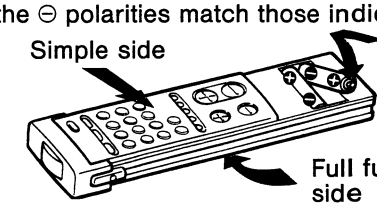
How to insert the batteries into the Remote Commander

You have to insert the two supplied R6 batteries into the Remote Commander before you can use it to operate the TV.

1 Remove the outside cover of the Remote Commander.



2 Insert both supplied batteries on the simple side of the commander, so that the ⊕ and the ⊖ polarities match those indicated.



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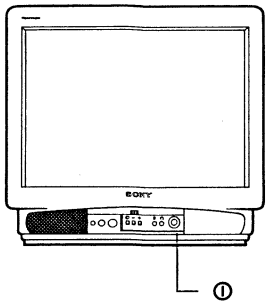
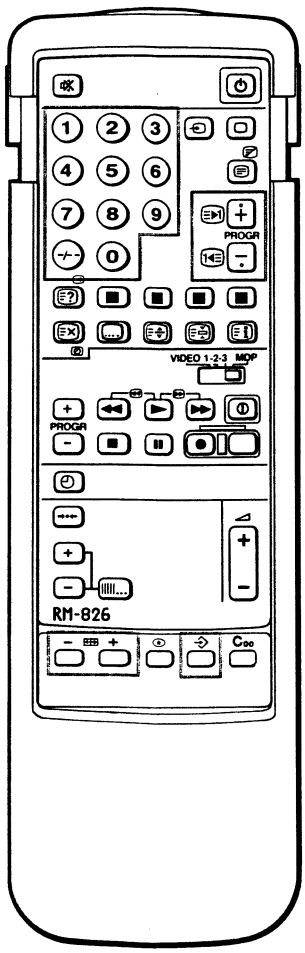
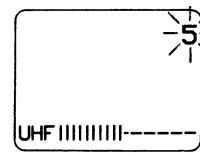
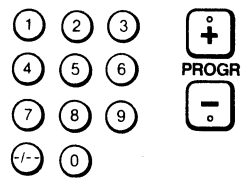
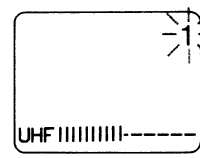
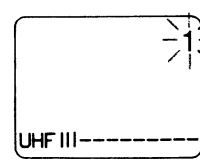
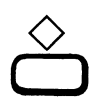
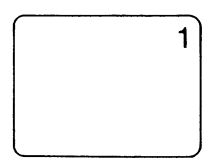
Presetting of channels





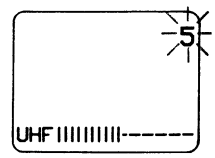
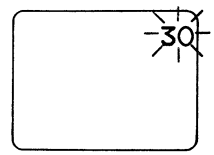
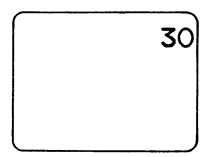
Before viewing the TV programmes your need to preset TV channels. There are 60 spaces available for storing these channels. TV stations broadcast their channels at certain frequencies. You must preset these channels to programme numbers on the TV. Slide open the full-function side of the Remote Commander to reveal preset buttons.

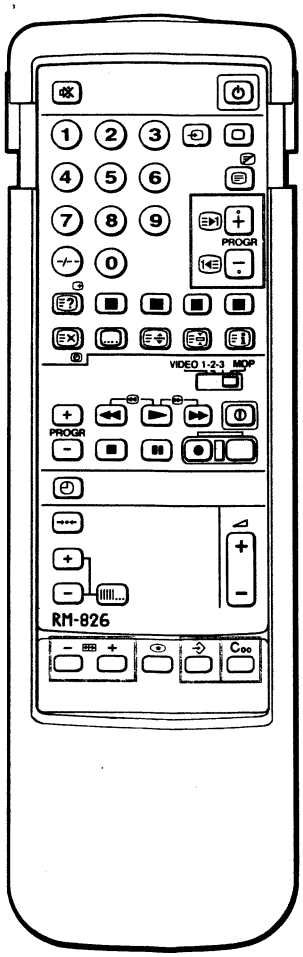
Automatic presetting of channels

Action	Result
1 Turn on the TV using the power switch ⏻ on the set.	
2 Press the ⇨ PRESET button.	 You are now in the preset mode. The programme number flashes.
3 Press either the number buttons or PROGR +/– to select the programme number on which you want to preset the channel.  **Note:** in the case of two digit numbers, first press –/––, then the two numbers.	 The selected programme number will be indicated.
4 Press the ⇔ + or – button repeatedly, until the desired channel is tuned in.	 The scale with the frequency band changes.
5 Repeat steps 3 and 4 for all other channels.	
6 Press the ⇨ PRESET button to store the channels. 	 All channels are now stored. The programme number stops flashing.

How to skip programmes

Since you have 60 programmes at your disposal, you may want to skip vacant programme positions. This means that they are skipped when you press the PROGR +/– buttons.

Action	Result
1 Press the ⇳ PRESET button.	 You are now in preset mode, the programme position flashes.
2 Use PROGR + or – to select the programme position you want to skip.	 The selected programme position appears.
3 Press Coo.	
4 Repeat steps 2 and 3 to skip other programmes.	
5 Press the ⇳ PRESET button.	 The programme position is now skipped. You are back in TV mode.



How to fine tune a channel manually

If the reception of a stored channel is not satisfactory, you can fine tune the channel manually.

Action	Result
Press the ⇔ + or – button until the reception is good.	The channel is now fine tuned.

Note: By pressing the respective programme number the automatic fine tuning will be restored.

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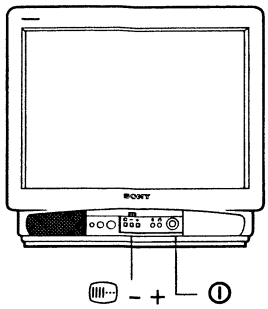
Basic TV operation



This section introduces you to the basic control functions which are available on the TV set and on the simple side of the Remote Commander.

How to turn the TV on and off

Action	Result
Turning on	
Press the power switch ⏻ on the set.	The TV will turn on. **Note:** If the screen remains blank, the TV may be in standby mode. In this case, press ▢.
Turning off	
A Temporarily Press ⏻.	The TV is now in standby mode. Press ▢ or any number button to return to TV mode.
B Completely Press the power switch ⏻.	The TV will turn off.

How to select programmes

Before selecting programmes make sure that you have preset channels.

Action	Result
Press PROGR +/– or the respective number button. **Note:** In the case of two digit numbers first press –/-- and then the two number buttons.	The selected programme is displayed.

On the set:
Press the + or – button for programme selection.

How to adjust the volume

Action	Result
Press ◿ + or –.	The volume markers will appear and the volume is adjusted accordingly.

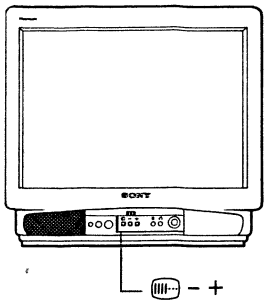
On the set:
Press ▤ until the ◿ symbol is displayed, then adjust with the +/– buttons.

How to use additional functions

Viewing of Teletext:
Press ▤/▨. To return to TV mode, press ▢. (For details see also page 24).

Viewing of the video input:
Press ⏎. To return to TV mode, press ▢. (For details see also page 26).

Advanced TV operation



This section introduces you to the advanced control functions which are available on the full function side of the Remote Commander.

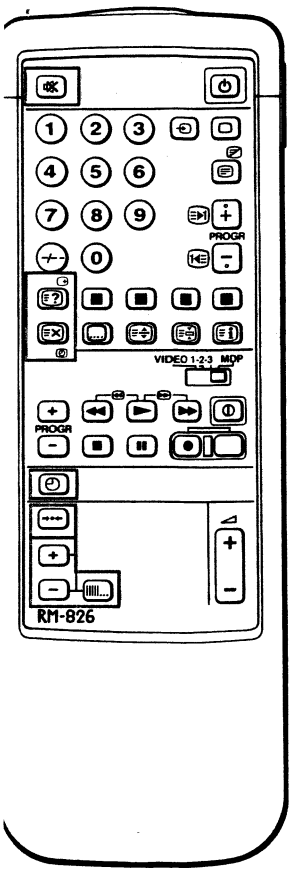
How to adjust the picture

Although the picture has been adjusted at the factory, you might want to adjust it to your own taste. For modifications please follow the steps:

Action	Result
1 Press button repeatedly, until the desired item is displayed (◑ contrast, ◕ colour intensity, ☼ brightness).	The symbol and the level indicator for the selected item is displayed.
2 Press button + or –.	The picture item is adjusted.

On the set:
Press button repeatedly in order to select the desired item, then adjust with button + or –.

To return to factory set levels:
Press the button.



How to use the Sleep Timer

You can select a time after which the set goes automatically into standby mode. Press button repeatedly until the desired time is displayed on the screen (30, 60, 90 minutes or 0 for cancelling the request).

Other functions

How to	Action	The resume normal picture/sound
Display the programme number.	Press .	Press again.
Mute the sound.	Press .	Press again.
Request the time (only if teletext is available).	Press .	Press again.

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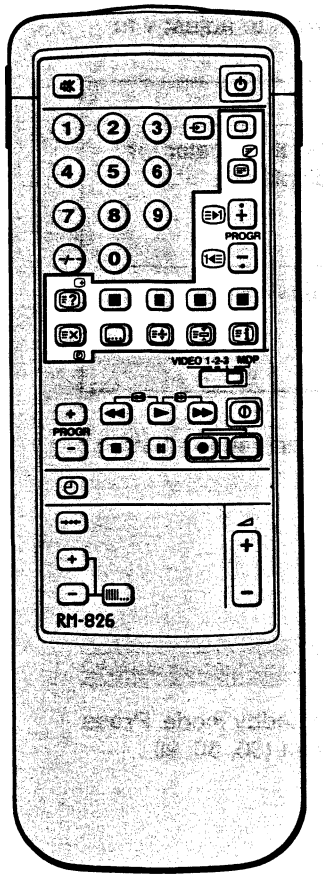
Teletext Operation

TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the full function side of the Remote Commander. With the simple side of the Remote Commander only the basic operation is possible.



How to view the teletext

Action	Result
1 Select the channel which carries the teletext service you wish to view.	The channel changes on the screen.
2 Press ⊜/⊘.	The teletext service appears. If the teletext signal is not broadcast p100 is displayed.
3 Input three digits for the page number using the number buttons. **Note** If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.

To return to the TV mode:
Press ▢.

To change the teletext channels:
First press ▢ to return to TV mode, then repeat steps 1 to 3.

Note
If the signal of the TV channel is weak, teletext errors may often occur.
The ⊡ has no function on this set.

How to use the Advanced Features of Teletext

How	Action	Result (on-screen display)
Request the index page.	Press ⊟ (INDEX).	The index page appears.
Access the next or preceding page.	Press ⊞ (PAGE +) or ⊟ (PAGE –).	The next or preceding page appears.

How to	Action	Result
Superimpose the teletext display on the TV programme	Press ⊜/⊘ once if you are in text mode or press ⊜/⊘ twice if in TV mode To return to the normal teletext display press ⊜/⊘ again.	The teletext displays are superimposed on the TV programmes.
Prevent a teletext page from being updated or changed.	Press ⊜ (HOLD) To resume normal teletext reception, press ⊜/⊘ (TEXT/MIX).	The HOLD symbol ⊜ appears on the screen and the chosen sub-page is held until you cancel.
Enlarge the teletext display.	Press ⊜ once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	The upper half is enlarged.
Revealed concealed information (e.g. answers to a quiz).	Press ⊜ (REVEAL). Press again to conceal the information.	The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	**1.** Request the new page.	The numbers are entered.
	2. Press ⊜ (TEXT CL).	The TV programme is displayed and the requested page number and other teletext data appear at the top of the screen.
	3. When the requested page has been captured, the page number remains and the other data disappears.	
	4. Press ⊜/⊘ to view this page.	The requested page is displayed.

Some of the features may not be available depending on the Teletext service.

How to use the FASTEXT feature

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FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the coloured buttons on either side of your Remote Commander.

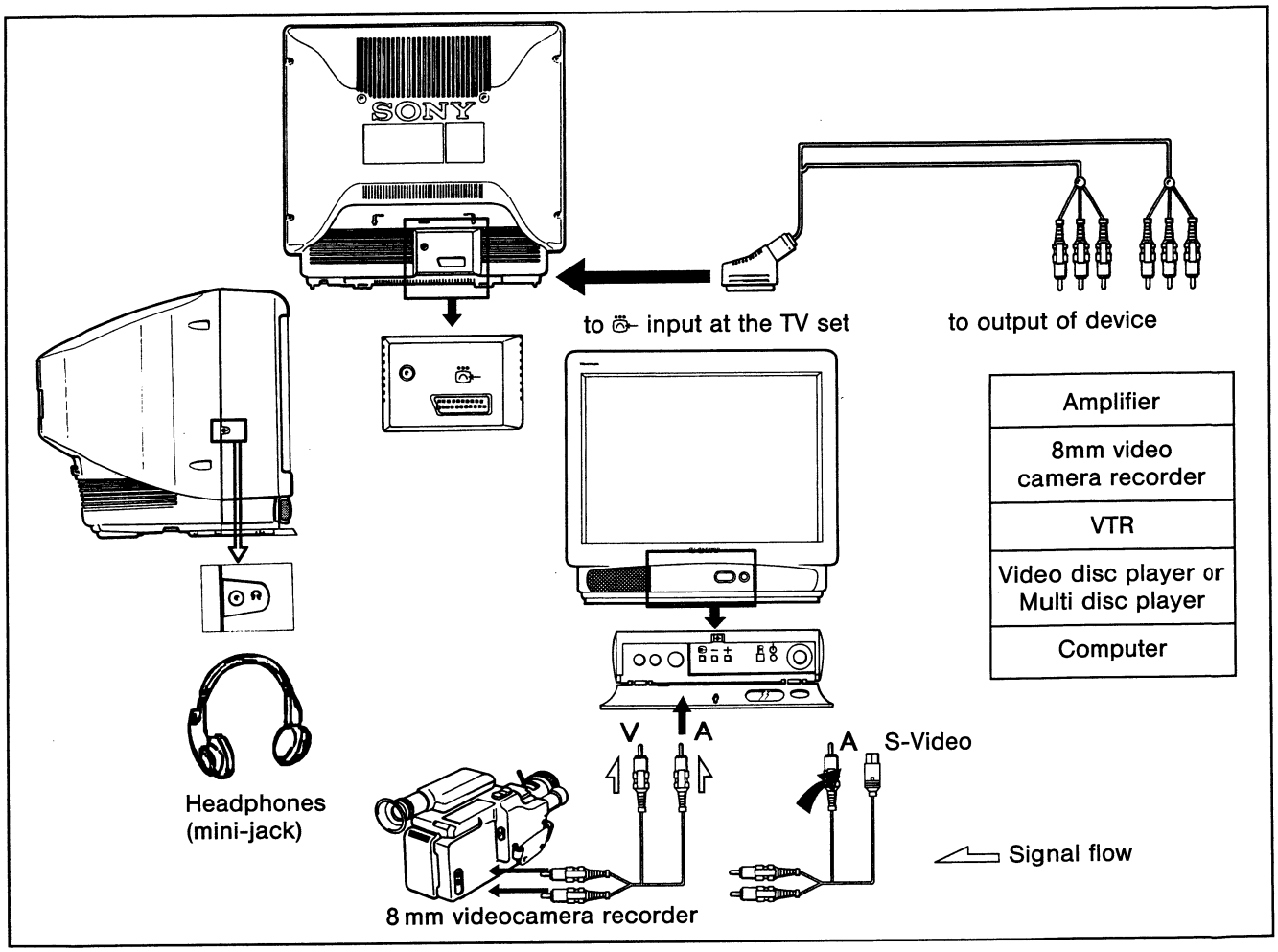
Operation

Action	Result
Press on the coloured buttons which corresponds to the coloured prompt on the teletext.	The selected teletext page appears.

Note
Correct FASTEXT operation depends on the necessary signals sent from the TV station.

Optional connections/operations

How to connect additional Audio/video equipment



How to view the Video input signal

Press button ⊖ in order to select the desired input mode (⊖ for Audio/video signals from 21-pin EURO connector or from the video/audio connectors V A on the front; S-video signals from the S-video (4-pin DIN) connectors on the front). Press button ▢ to return to TV mode.

On the set:
Press button once, the symbols ⊖, ▢, S, will appear on the screen, then press the + button to select the desired video input mode. Press MENU and + buttons again to return to TV-mode.

S-video input (Y/C input)
Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with one S-video input jack through which these separated signals can be input directly.

Notes
- When you have Audio/video equipment connected to both the A/V connectors and the 21-pin terminal, make sure that both are NOT switched on at the same time, otherwise the picture could be incomplete.
- In case of sound and picture distortions move the VTR away from the TV set.

Additional Remote Commander Operation

How to Control Other Sony Video Equipment

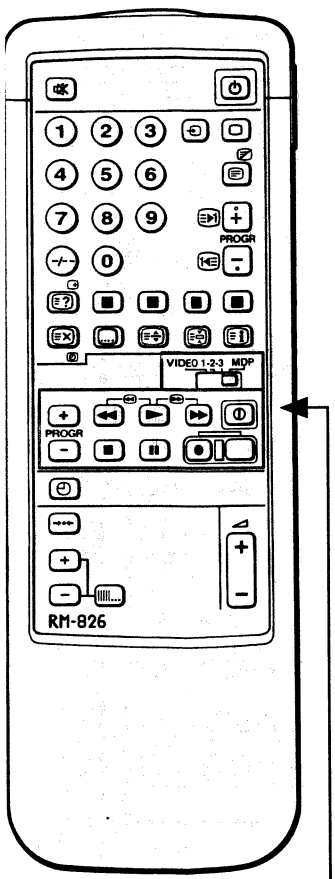
By switching the VIDEO 1/2/3, MDP selector, you can operate most Sony video equipment (Beta VTR, 8mm VTR, VHS VTR, and video disc player).

1 Set VIDEO 1/2/3, MDP selector according to the desired video equipment.

VIDEO 1: Beta or ED Beta VTR
VIDEO 2: 8mm VTR
VIDEO 3: VHS VTR
MDP: Video disc player

2 Use the buttons in the indicated area to operate video equipment.

Note
When you use ● button, be sure to press this button and the one on the right simultaneously.



Buttons to operate other Sony Video equipment

Notes

- If your video equipment is furnished with COMMAND MODE selector, set the selector to the same position as the VIDEO 1/2/3, MDP selector on the supplied Remote Commander.
- If the equipment does not have a certain function, the corresponding button on the Remote Commander will not work.

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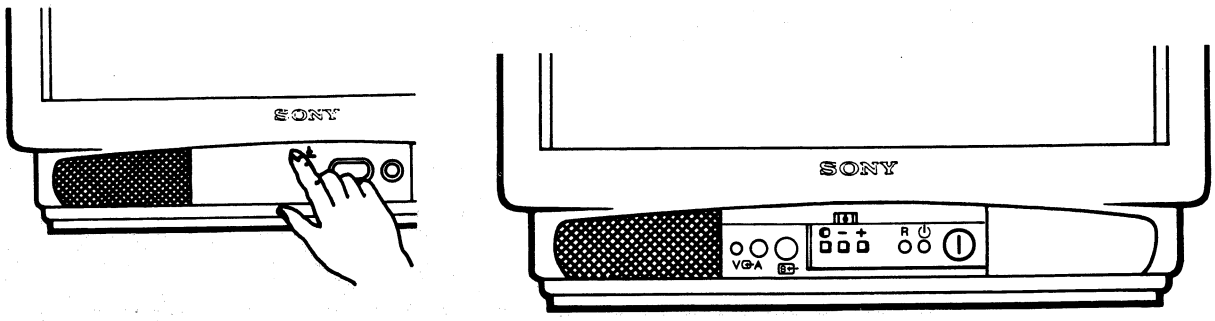
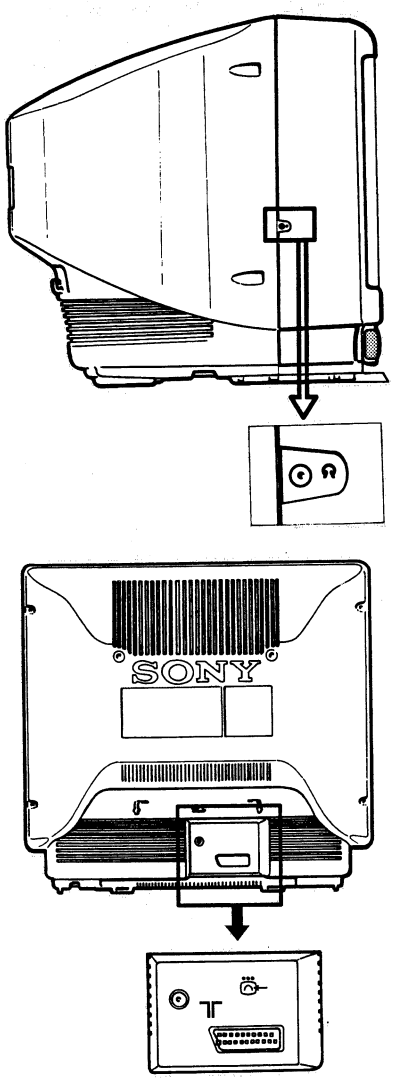
Additional Information

Parts Identification

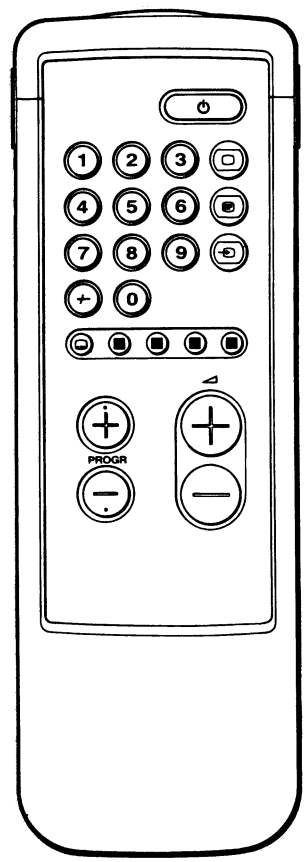
A



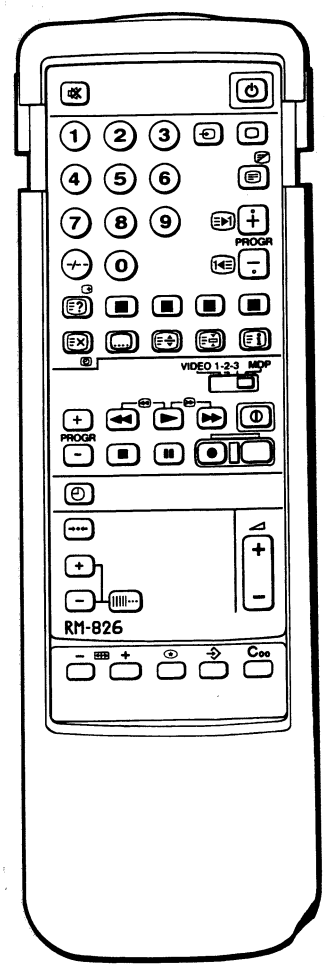
B



C



D



This section briefly describes the buttons and controls on the TV set and on the Remote Commander.
For more information, refer to the pages given next to each description.

A TV set – Front

Sign	Name	Refer to page
⏻	Main power switch	22
⏻	Standby indicator	22
V, A, S	Input jacks (Video/Audio/S-Video)	26
	Function selector (Programme/ volume/input)	22, 22, 26
– / +	Adjustment buttons for function selector	22, 23, 26

B TV set – Rear

Sign	Name	Refer to page
	Headphones jack	26
	21-pin Euro-AV connector (RGB/ video input, TV output)	26
	Aerial terminal (IEC type)	19

C Remote Commander – simple side

Sign	Name	Refer to page
	Input mode selector	26
	Teletext button	24, 25
	FASTEXT buttons	25
	TV mode selector	22
⏻	Standby button	22
1,2,3,4,5, 6,7,8,9, and 0	Number buttons	22
–/– –	Double-digit entering button	22
+/–	Volume control buttons	22
PROGR +/–	Programme selector	22

D Remote Commander – full function side

Sign	Name	Refer to page
	Mute on/off button	23
⏻	Standby button	22
1,2,3,4,5, 6,7,8,9, and 0	Number buttons	22
	Input mode selector	26
	TV power on/TV mode selector button	22
/	Teletext button	24, 25
–/– –	Double-digit entering button	22
	Request time display	23
	Teletext operation buttons	24, 25
	FASTEXT buttons	25
	On-screen display button	23
	Sleep timer	23
	Picture adjustment reset button	23
+/–	Volume control	22
PROGR +/–	Programme selector	22
+/–	Picture controls	23
VIDEO 1/2/3, MDP	Video equipment selector	27
◀◀ ▶▶ ■ ❚❚ ●	Video equipment operation buttons	27
Coo	Programme number clear button	21
	Channel preset/store button	20, 21
– +	Tuning buttons	20, 21

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Additional information

Troubleshooting

Here are some simple solutions to the problems which may affect the picture and sound.

Problem	Checking and solution
No picture (screen not lit), no sound	• Connect the set to a working outlet. • Press the power switch ⏻. • If the standby indicator shines red, press the TV button on the Commander. • Check the aerial connection.
Poor or no picture (screen not lit), but sound good	• Adjust by pressing the + or – button (after selecting with the button).
Good picture but no sound	• Press +. • If is displayed on the screen, press on the Remote Commander.
No colour for colour programmes	• Adjust with the + button after selecting with the button. • Press →·←.
Snow and noise	• Check the aerial connections.

Specifications

	KV-M2151D/KV-M2150D
Television system	B/G
Colour system	PAL, SECAM
Channel coverage	B/G: E2–E12 E21–E69 Cable: S1–S20 Hyper: S21–S41
Picture tube	HI-BLACK TRINITRON
	approx. 55cm. (21 inches) (approx. 51cm picture measured diagonally) 100° deflection
Inputs	21-pin connector: CENELEC standard RGB input V A Audio/video input jacks phono jacks S-Video input jack
Outputs	Headphones Jack: minijack 21-pin connector: TV output
Sound output	5W
Power consumption	73.5Wh/70.5Wh
Dimensions (w/h/d)	Approx. 513 x 477 x 478 mm
Weight	Approx. 24kg
Supplied accessories	RM-826 Remote Commander (1), IEC designation R6 batteries (2)
Other features	TELETEXT, FASTEXT (only for KV-M2151D)
Design and specifications are subject to change without notice.	